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WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY LETTERS PATENT OF THE UNITED STATES IS:

- L-carnitine, having a particle size such that it substantially passes through a
 USBS mesh sieve.
- 2. The L-carnitine of Claim 1, which is selected from the group consisting of L-carnitine, salts of L-carnitine, alkanoyl L-carnitines, and salts of alkanoyl L-carnitine.
- 3. The L-carnitine of Claim 1, which is selected from the group consisting of L-carnitine chloride, L-carnitine bromide, L-carnitine orotate, L-carnitine acid aspartate, L-carnitine acid phosphate, L-carnitine fumarate, L-carnitine lactate, Lcarnitine maleate, L-carnitine acid maleate, L-carnitine acid oxalate, L-carnitine acid sulfate, L-carnitine glucose phosphate, L-carnitine tartrate, L-carnitine acid tartrate, L-carnitine iodate, L-carnitine aspartate, L-carnitine citrate, L-carnitine acid citrate, L-carnitine acid fumarate, L-carnitine glycerophosphate, L-carnitine mucate, Lcarnitine orotate, L-carnitine oxalate, L-carnitine sulfate, L-carnitine trichloroacetate, L-carnitine trifluoroacetate, L-carnitine methanesulfonate, L-carnitine pamoate, Lcarnitine acid pamoate, C2-8 alkanoyl L-carnitines, C2-8 alkanoyl L-carnitine chloride, C₂₋₈ alkanoyl L-carnitine bromide, C₂₋₈ alkanoyl L-carnitine orotate, C₂₋₈ alkanoyl Lcarnitine acid aspartate, C₂₋₈ alkanoyl L-carnitine acid phosphate, C₂₋₈ alkanoyl Lcarnitine fumarate, C₂₋₈ alkanoyl L-carnitine lactate, C₂₋₈ alkanoyl L-carnitine maleate, C_{2-8} alkanoyl L-carnitine acid maleate, C_{2-8} alkanoyl L-carnitine acid oxalate, C_{2-8} alkanoyl L-carnitine acid sulfate, C₂₋₈ alkanoyl L-carnitine glucose phosphate, C₂₋₈ alkanoyl L-carnitine tartrate, C2-8 alkanoyl L-carnitine acid tartrate, C2-8 alkanoyl Lcarnitine iodate, C2-8 alkanoyl L-carnitine aspartate, C2-8 alkanoyl L-carnitine citrate, C₂₋₈ alkanoyl L-carnitine acid citrate, C₂₋₈ alkanoyl L-carnitine acid fumarate, C₂₋₈

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alkanoyl L-carnitine glycerophosphate, C_{2-8} alkanoyl L-carnitine mucate, C_{2-8} alkanoyl L-carnitine oxalate, C_{2-8} alkanoyl L-carnitine oxalate, C_{2-8} alkanoyl L-carnitine trichloroacetate, C_{2-8} alkanoyl L-carnitine trifluoroacetate, C_{2-8} alkanoyl L-carnitine methanesulfonate, C_{2-8} alkanoyl L-carnitine pamoate, and C_{2-8} alkanoyl L-carnitine acid pamoate.

- 4. A method of preparing L-carnitine, having a particle size such that it substantially passes through a 100 USBS mesh sieve, comprising:
- (1) subjecting L-carnitine having a particle size such that it does not pass through a 100 USBS mesh sieve to size reduction, to obtain size-reduced L-carnitine; and
- (2) subjecting said size-reduced L-carnitine to sieving through a 100 USBS mesh sieve and selecting that portion which passes through said 100 USBS mesh sieve.
- 5. The method of Claim 4, wherein said L-carnitine is selected from the group consisting of L-carnitine, salts of L-carnitine, alkanoyl L-carnitines, and salts of alkanoyl L-carnitine.
- 6. The method of Claim 4, wherein said L-carnitine is selected from the group consisting of L-carnitine chloride, L-carnitine bromide, L-carnitine orotate, L-carnitine acid aspartate, L-carnitine acid phosphate, L-carnitine fumarate, L-carnitine lactate, L-carnitine maleate, L-carnitine acid maleate, L-carnitine acid oxalate, L-carnitine acid sulfate, L-carnitine glucose phosphate, L-carnitine tartrate, L-carnitine acid tartrate, L-carnitine iodate, L-carnitine aspartate, L-carnitine citrate, L-carnitine acid citrate, L-carnitine acid fumarate, L-carnitine glycerophosphate, L-carnitine mucate, L-carnitine orotate, L-carnitine oxalate, L-carnitine sulfate, L-carnitine

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trichloroacetate, L-carnitine trifluoroacetate, L-carnitine methanesulfonate, L-carnitine pamoate, L-carnitine acid pamoate, C_{2.8} alkanoyl L-carnitines, C_{2.8} alkanoyl L-carnitine chloride, C_{2.8} alkanoyl L-carnitine bromide, C_{2.8} alkanoyl L-carnitine orotate, C_{2.8} alkanoyl L-carnitine acid aspartate, C_{2.8} alkanoyl L-carnitine acid phosphate, C_{2.8} alkanoyl L-carnitine fumarate, C_{2.8} alkanoyl L-carnitine lactate, C_{2.8} alkanoyl L-carnitine maleate, C_{2.8} alkanoyl L-carnitine acid maleate, C_{2.8} alkanoyl L-carnitine acid oxalate, C_{2.8} alkanoyl L-carnitine acid sulfate, C_{2.8} alkanoyl L-carnitine glucose phosphate, C_{2.8} alkanoyl L-carnitine tartrate, C_{2.8} alkanoyl L-carnitine acid tartrate, C_{2.8} alkanoyl L-carnitine iodate, C_{2.8} alkanoyl L-carnitine aspartate, C_{2.8} alkanoyl L-carnitine acid citrate, C_{2.8} alkanoyl L-carnitine acid fumarate, C_{2.8} alkanoyl L-carnitine glycerophosphate, C_{2.8} alkanoyl L-carnitine mucate, C_{2.8} alkanoyl L-carnitine orotate, C_{2.8} alkanoyl L-carnitine oxalate, C_{2.8} alkanoyl L-carnitine trichloroacetate, C_{2.8} alkanoyl L-carnitine trichloroacetate, C_{2.8} alkanoyl L-carnitine methanesulfonate, C_{2.8} alkanoyl L-carnitine pamoate, and C_{2.8} alkanoyl L-carnitine acid pamoate.

- 7. A composition, comprising:
- (A) L-carnitine having a particle size such that it substantially passes through a 100 USBS mesh sieve; and
 - (B) a pharmaceutically acceptable excipient or carrier.
- 8. The composition of Claim 7, wherein said L-carnitine is selected from the group consisting of L-carnitine, salts of L-carnitine, alkanoyl L-carnitines, and salts of alkanoyl L-carnitine.
- 9. The composition of Claim 7, wherein said L-carnitine is selected from the group consisting of L-carnitine chloride, L-carnitine bromide, L-carnitine orotate, L-

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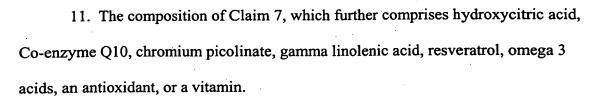
carnitine acid aspartate, L-carnitine acid phosphate, L-carnitine fumarate, L-carnitine lactate, L-carnitine maleate, L-carnitine acid maleate, L-carnitine acid oxalate, Lcarnitine acid sulfate, L-carnitine glucose phosphate, L-carnitine tartrate, L-carnitine acid tartrate, L-carnitine iodate, L-carnitine aspartate, L-carnitine citrate, L-carnitine acid citrate, L-carnitine acid fumarate, L-carnitine glycerophosphate, L-carnitine mucate, L-carnitine orotate, L-carnitine oxalate, L-carnitine sulfate, L-carnitine trichloroacetate, L-carnitine trifluoroacetate, L-carnitine methanesulfonate, Lcarnitine pamoate, L-carnitine acid pamoate, C2-8 alkanoyl L-carnitines, C2-8 alkanoyl L-carnitine chloride, C₂₋₈ alkanoyl L-carnitine bromide, C₂₋₈ alkanoyl L-carnitine orotate, C_{2-8} alkanoyl L-carnitine acid aspartate, C_{2-8} alkanoyl L-carnitine acid phosphate, C₂₋₈ alkanoyl L-carnitine fumarate, C₂₋₈ alkanoyl L-carnitine lactate, C₂₋₈ alkanoyl L-carnitine maleate, C2-8 alkanoyl L-carnitine acid maleate, C2-8 alkanoyl Lcarnitine acid oxalate, C₂₋₈ alkanoyl L-carnitine acid sulfate, C₂₋₈ alkanoyl L-carnitine glucose phosphate, C₂₋₈ alkanoyl L-carnitine tartrate, C₂₋₈ alkanoyl L-carnitine acid tartrate, C_{2-8} alkanoyl L-carnitine iodate, C_{2-8} alkanoyl L-carnitine aspartate, C_{2-8} alkanoyl L-carnitine citrate, C2-8 alkanoyl L-carnitine acid citrate, C2-8 alkanoyl Lcarnitine acid fumarate, C2-8 alkanoyl L-carnitine glycerophosphate, C2-8 alkanoyl Lcarnitine mucate, C2-8 alkanoyl L-carnitine orotate, C2-8 alkanoyl L-carnitine oxalate, C_{2-8} alkanoyl L-carnitine sulfate, C_{2-8} alkanoyl L-carnitine trichloroacetate, C_{2-8} alkanoyl L-carnitine trifluoroacetate, C2-8 alkanoyl L-carnitine methanesulfonate, C2-8 alkanoyl L-carnitine pamoate, and C_{2-8} alkanoyl L-carnitine acid pamoate.

10. The composition of Claim 7, which is suitable for oral ingestion.

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- 12. In a method of treatment, therapy, or prevention, comprising orally administering an effective amount of L-carnitine to a subject in need thereof, the improvement being said L-carnitine has a particle size such that it substantially passes through a 100 USBS mesh sieve.
- 13. The method of Claim 12, wherein said L-carnitine is selected from the group consisting of L-carnitine, salts of L-carnitine, alkanoyl L-carnitines, and salts of alkanoyl L-carnitine.
- 14. The method of Claim 12, wherein said L-carnitine is selected from the group consisting of L-carnitine chloride, L-carnitine bromide, L-carnitine orotate, L-carnitine acid aspartate, L-carnitine acid phosphate, L-carnitine fumarate, L-carnitine lactate, L-carnitine maleate, L-carnitine acid maleate, L-carnitine acid oxalate, L-carnitine acid sulfate, L-carnitine glucose phosphate, L-carnitine tartrate, L-carnitine acid tartrate, L-carnitine iodate, L-carnitine aspartate, L-carnitine citrate, L-carnitine acid citrate, L-carnitine acid fumarate, L-carnitine glycerophosphate, L-carnitine mucate, L-carnitine orotate, L-carnitine oxalate, L-carnitine sulfate, L-carnitine trichloroacetate, L-carnitine trifluoroacetate, L-carnitine methanesulfonate, L-carnitine pamoate, L-carnitine acid pamoate, C₂₋₈ alkanoyl L-carnitines, C₂₋₈ alkanoyl L-carnitine orotate, C₂₋₈ alkanoyl L-carnitine acid aspartate, C₂₋₈ alkanoyl L-carnitine acid phosphate, C₂₋₈ alkanoyl L-carnitine fumarate, C₂₋₈ alkanoyl L-carnitine lactate, C₂₋₈ alkanoyl L-carnitine maleate, C₂₋₈ alkanoyl L-carnitine acid maleate, C₂₋₈ alkanoyl L-carnitine maleate, C₂₋₈ alkanoyl L-carnitine acid maleate, C₂₋₈ alkanoyl L-carnitine acid maleate, C₂₋₈ alkanoyl L-carnitine maleate, C₂₋₈ alkanoyl L-carnitine acid maleate, C₂₋₈ alkanoyl L-ca



carnitine acid oxalate, C_{2-8} alkanoyl L-carnitine acid sulfate, C_{2-8} alkanoyl L-carnitine glucose phosphate, C_{2-8} alkanoyl L-carnitine tartrate, C_{2-8} alkanoyl L-carnitine acid tartrate, C_{2-8} alkanoyl L-carnitine iodate, C_{2-8} alkanoyl L-carnitine aspartate, C_{2-8} alkanoyl L-carnitine acid citrate, C_{2-8} alkanoyl L-carnitine acid citrate, C_{2-8} alkanoyl L-carnitine glycerophosphate, C_{2-8} alkanoyl L-carnitine mucate, C_{2-8} alkanoyl L-carnitine orotate, C_{2-8} alkanoyl L-carnitine oxalate, C_{2-8} alkanoyl L-carnitine sulfate, C_{2-8} alkanoyl L-carnitine trichloroacetate, C_{2-8} alkanoyl L-carnitine methanesulfonate, C_{2-8} alkanoyl L-carnitine methanesulfonate, C_{2-8} alkanoyl L-carnitine pamoate, and C_{2-8} alkanoyl L-carnitine acid pamoate.